



College Hill Water Filtration Plant



WATER FUND CAPITAL PROJECTS – SUMMARY OF APPROPRIATIONS

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Resources:					
Pay -as-you-go Water Operating Fund	\$850,000	\$850,000	\$850,000	\$850,000	\$1,100,000
General Obligations Bond Proceeds	780,000	7,074,000	1,997,000	1,074,000	573,000
Total Estimated Resources	<u>\$1,630,000</u>	<u>\$7,924,000</u>	<u>\$2,847,000</u>	<u>\$1,924,000</u>	<u>\$1,673,000</u>
 Locally Financed Projects:					
Water main replacement- combined sewer overflow (cso)	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Annual water petitions	350,000	350,000	350,000	350,000	350,000
Water Facilities Improvements	0	250,000	250,000	250,000	0
Distribution system improvements	300,000	750,000	750,000	750,000	750,000
Water Tank Rehabilitation	5,000	674,000	1,097,000	174,000	173,000
College Hill Water Plant Renovations	0	5,000,000	0	0	0
College Hill Water Filtration Plant: Warehouse/Field Operations Facility	0	500,000	0	0	0
Abert water Treatment Plant Sodium Hypochlorite Process	575,000	0	0	0	0
	<u>\$1,630,000</u>	<u>\$7,924,000</u>	<u>\$2,847,000</u>	<u>\$1,924,000</u>	<u>\$1,673,000</u>
Total Proposed Projects	<u>\$1,630,000</u>	<u>\$7,924,000</u>	<u>\$2,847,000</u>	<u>\$1,924,000</u>	<u>\$1,673,000</u>



WATER FUND CAPITAL PROJECTS FINANCING PLAN

As part of the annual budget process, the City appropriates funding for capital projects in accordance with the Five Year Capital Improvement Plan. Typically, the City conducts annual bond financings in the last half of each fiscal year. New bond issues are based on the expected cash flow requirements of projects between bond sales and may differ from funding requirements for annual appropriations.

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Balance Forward	\$7,669,775	\$3,085,672	\$5,086,672	\$1,389,672	\$1,815,672
Income:					
Pay -as-you-go Water Operating Fund	850,000	850,000	850,000	850,000	850,000
General Obligation Bond Proceeds		7,000,000	0	1,500,000	0
Balance and Income	<u>\$850,000</u>	<u>\$7,850,000</u>	<u>\$850,000</u>	<u>\$2,350,000</u>	<u>\$850,000</u>
Cash Flow Requirements					
Incomplete projects as of July 1, 2006	3,804,103 (1)	0	0	0	0
FY 2007-2011 CIP Projects	1,630,000 (1)	5,849,000 (1)	4,547,000 (1)	1,924,000	1,673,000
Total Expenditures	<u>\$5,434,103</u>	<u>\$5,849,000</u>	<u>\$4,547,000</u>	<u>\$1,924,000</u>	<u>\$1,673,000</u>
Balance Forward	<u>\$3,085,672 (2)</u>	<u>\$5,086,672 (2)</u>	<u>\$1,389,672 (2)</u>	<u>\$1,815,672</u>	<u>\$992,672</u>

(1) Source: Department of Public Works, Utilities Division

(2) Balance forward provides estimated funding for projects until the annual bond sale typically in the last half of the fiscal year.



FIVE-YEAR PROPOSED PROGRAMMING TO BE FINANCED BY THE CITY					
Project Title	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
WATER					
Abert Water Treatment Plant Sodium Hypochlorite Process	\$575,000	\$0	\$0	\$0	\$0
Source of Funding					
G.O. Bond	575,000	0	0	0	0
Annual Water Petitions	350,000	350,000	350,000	350,000	350,000
Source of Funding					
Pay-As-You-Go	350,000	350,000	350,000	350,000	350,000
College Hill Water Plant Renovations	0	5,000,000	0	0	0
Source of Funding					
G.O. Bond	0	5,000,000	0	0	0
College Hill Water Filtration Plant Warehouse/Field Op	0	500,000	0	0	0
Source of Funding					
G.O. Bond	0	500,000	0	0	0
Distribution System Improvements	300,000	750,000	750,000	750,000	750,000
Source of Funding					
G.O. Bond	205,000	750,000	750,000	750,000	650,000
Pay-As-You-Go	95,000	0	0	0	100,000
Water Facilities Improvements	0	250,000	250,000	250,000	0
Source of Funding					
G.O. Bond	0	150,000	150,000	150,000	0
Pay-As-You-Go	0	100,000	100,000	100,000	0
Water Main Replacement - Combined Sewer Overflow (CSO)	400,000	400,000	400,000	400,000	400,000
Source of Funding					
G.O. Bond	0	0	0	0	0
Pay-As-You-Go	400,000	400,000	400,000	400,000	400,000
Water Tank Rehabilitation	5,000	674,000	1,097,000	174,000	173,000
Source of Funding					
G.O. Bond	0	674,000	1,097,000	174,000	173,000
Pay-As-You-Go	5000				
Total Estimates Submitted 2007-2011 CIP	\$1,630,000	\$7,924,000	\$2,847,000	\$1,924,000	\$1,673,000
Source of Funding					
G.O. Bond	\$780,000	\$7,074,000	\$1,997,000	\$1,074,000	\$823,000
Pay-As-You-Go	\$850,000	\$850,000	\$850,000	\$850,000	\$850,000
Other	\$0	\$0	\$0	\$0	\$0



FIVE-YEAR ESTIMATED NET COST	APPROPRIATIONS THROUGH 7/1/2005	ESTIMATED COST BEYOND PROGRAM PERIOD	TOTAL ACCUMULATED PROJECT COST
\$575,000	\$0	\$0	\$575,000
1,750,000	On-going	On-going	\$1,750,000
5,000,000	200,000	0	\$5,200,000
500,000	0	0	\$500,000
3,300,000	On-going	On-going	\$3,300,000
750,000	0	0	\$750,000
2,000,000	On-going	On-going	\$2,000,000
2,123,000	On-going	On-going	\$2,123,000
<hr/> \$15,998,000	<hr/> \$200,000	<hr/> \$0	<hr/> \$16,198,000
\$11,748,000			
\$4,250,000			
\$0			
<hr/> \$15,998,000			



CONTINUING PROJECTS THAT HAVE BEEN APPROPRIATED IN PRIOR YEARS

Project Title	Total Project Estimate	Total Estimated Expenditures Thru 6/30/06	Remaining Balance
WATER			
Cabell St Waterline Replacement	\$737,563	\$387,563	\$350,000
Large Meter and Vault Replacements	209,608	17,608	192,000
CSO 12.2	169,412	100,000	69,412
CSO 12.1	644,258	200,000	444,258
CSO 18.2	493,452	300,000	193,452
Water Treatment Plant Improvements	422,864	150,000	272,864
College Hill Water Plant Disinfection Process	2,417,117	1,000,000	1,417,117
TOTALS	\$5,094,275	\$2,155,172	\$2,939,103



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Abert Water Treatment Plant

PROJECT TITLE

PROJECT # (If existing)

ABERT WATER TREATMENT PLANT SODIUM HYPOCHLORITE PROCESS

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
New



PROJECT DESCRIPTION

In keeping with the City's desire to remove all gas or liquid chlorine hazard from the treatment system, the project will install a new disinfection process using sodium hypochlorite liquid.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Steve Shenk, Utilities Engineer

PROJECT START DATE Q1 FY 2007
PROJECT COMPLETION DATE Q4 FY 2007

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
25	25	25	25																
25	25	25	25																

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

May increase chemical costs slightly.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 - 2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
N/A	\$575,000	N/A	\$575,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering	25,000					25,000
Contract Administration (Contractual)						
Inspections (Contractual)						
Construction	550,000					550,000
Contingency						
TOTAL	\$575,000	\$0	\$0	\$0	\$0	\$575,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund	575,000					575,000
TOTAL	\$575,000	\$0	\$0	\$0	\$0	\$575,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: G.O. Bond	575,000					575,000
TOTAL	\$575,000	\$0	\$0	\$0	\$0	\$575,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100% STATE = % FEDERAL = % OTHER = %

DEPARTMENT PRIORITY

Project has legal or regulatory mandate

☒ Project supports essential services



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Various

PROJECT TITLE
ANNUAL WATER PETITIONS

PROJECT # (If existing)
N/A

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
Continuation N/A



PROJECT DESCRIPTION

Extensions of water lines are requested by petition process. These requests may include existing non-served properties, commercial development and new residential subdivisions. Also for reimbursement of developer costs to construct City water lines per City Code.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1: Provide the citizens of Lynchburg with dependable, modern, high quality water and sanitary sewer service with sufficient capacity to meet the City's long-term requirements.

PROJECT MANAGER(S)
Lee Newland, Director of Engineering

PROJECT START DATE
PROJECT COMPLETION DATE

Recurring
Recurring

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

Increases revenue from new water service customers, and increases costs to maintain new lines.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 -2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
Recurring	\$1,750,000	Recurring	Recurring

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
City Engineering Service Charges	40,000	40,000	40,000	40,000	40,000	\$200,000
Construction	310,000	310,000	310,000	310,000	310,000	\$1,550,000
TOTAL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund	350,000	350,000	350,000	350,000	350,000	\$1,750,000
TOTAL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: Pay-As-You-Go	350,000	350,000	350,000	350,000	350,000	\$1,750,000
TOTAL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL =100% STATE = 0 FEDERAL = 0 OTHER = %

DEPARTMENT PRIORITY

☒ Project supports essential services

☒ Project contributes to generation of new revenue



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
525 Taylor Street
PROJECT #
(If existing)

PROJECT TITLE

COLLEGE HILL WATER PLANT RENOVATIONS

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
Continuation *Changed name of project.*



PROJECT DESCRIPTION

The 14.0 million gallon per day College Hill plant was last upgraded in 1985. The project will include the following items based on the Preliminary Engineering Report recommendations; renovation and replacement of filter media, bottoms, troughs, walls, installation of air scour equipment, valves and actuators, rate of flow controllers, water quality instrumentation, filter consoles, and associated SCADA equipment. The project will also include modifications to chemical feed systems, laboratory improvements, control room and SCADA improvements, general building repairs, addition of a backwash surge tank, and rehabilitation or replacement of the existing backwash piping to sewer. Estimated cost taken from a Preliminary Engineering Report completed in late 2005.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.8, Goal 1, objective 1.E.1: Maintain sufficient treatment capacity to sustain City growth, while meeting regulatory water quality requirements.

PROJECT MANAGER(S)
Steve Shenk, Utilities Engineer

PROJECT START DATE Q3 FY 2006
PROJECT COMPLETION DATE Q2 FY 2009
FIXED ASSET DESIGNATION
Maintenance/Capital Outlay

TIMETABLE

Activity (% Complete)

Land Acquisition
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
25	25	20	5																
				15	20	20	20	15	10										

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

The overall impact to the operating budget will be negligible.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 -2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
\$200,000	\$5,000,000	N/A	\$5,200,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering		129,000				\$129,000
Contract Administration (Contractual)		223,000				\$223,000
Construction		4,368,000				\$4,368,000
Contingency		280,000				\$280,000
TOTAL	\$0	\$5,000,000	\$ 0	\$ 0	\$ 0	\$5,000,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund		5,000,000				\$5,000,000
TOTAL	\$0	\$5,000,000	\$ 0	\$ 0	\$ 0	\$5,000,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: G.O. Bond		3,300,000	1,700,000			\$5,000,000
TOTAL	\$0	\$3,300,000	\$1,700,000	\$ 0	\$ 0	\$5,000,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100% STATE = % FEDERAL = % OTHER = %

DEPARTMENT PRIORITY

☒ Project supports essential services

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
525 Taylor Street

PROJECT TITLE

PROJECT # (If existing)

COLLEGE HILL WATER FILTRATION PLANT: WAREHOUSE/FIELD OPERATIONS FACILITY

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
New



PROJECT DESCRIPTION

Construction of a new warehouse and field operations facility located in the rear portion of the College Hill Water Filtration Plant. Current warehouse is small and is difficult to control access and inventory control. New space is also needed for the field operations area. This will allow for future expansion of non-field operation activities within the College Hill Plant for Utilities administration.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Philip Martin, Utilities Engineer

PROJECT START DATE Q1 FY 2008
PROJECT COMPLETION DATE Q4 FY 2008

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
				25	25	25	25												
				25	25	25	25												

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

Additional power and maintenance cost.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 -2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
N/A	\$500,000	N/A	\$500,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering		50,000				50,000
Contract Administration (Contractual)						
Inspections (Contractual)						
Construction		450,000				450,000
Contingency						
TOTAL	\$0	\$500,000	\$0	\$0	\$0	\$500,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund		\$500,000				\$500,000
TOTAL	\$0	\$500,000	\$0	\$0	\$0	\$500,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: G.O. Bond		500,000	\$0	\$0	\$0	\$500,000
TOTAL	\$0	\$500,000	\$0	\$0	\$0	\$500,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100% STATE = % FEDERAL = % OTHER = %

DEPARTMENT PRIORITY

Project has legal or regulatory mandate

☒ Project supports essential services



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Various
PROJECT #
(If existing)
N/A

PROJECT TITLE

DISTRIBUTION SYSTEM IMPROVEMENTS

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*

Continuation N/A



PROJECT DESCRIPTION

Water distribution system improvements at various locations throughout the City.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.8, Goal 1: Objective 1.E. 4) Implement, to the maximum extent feasible, the Water System Master Plan update recommendations for the long-term maintenance of water supply and transmission capacity.

PROJECT MANAGER(S)
Phillip Martin, Utilities Engineer

PROJECT START DATE
PROJECT COMPLETION DATE

Recurring
Recurring

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

Activity (% Complete)

Land Acquisition

Engineering & Architectural

Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

Lessens the impact on overall water operating budget for repairs and line breaks.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05

FY 2007 -2011 ESTIMATE

BEYOND FY 2011 ESTIMATE

TOTAL PROJECT ESTIMATE

Recurring

\$3,300,000

Recurring

Recurring

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering	50,000	75,000	75,000	75,000	75,000	\$350,000
Construction	250,000	675,000	675,000	675,000	675,000	\$2,950,000
TOTAL	\$300,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,300,000

For ☐ Street Overlay or ☐ General Street Improvement Programs Only (please check one)

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund	300,000	750,000	750,000	750,000	750,000	\$3,300,000
TOTAL	\$300,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,300,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: G.O. Bond	205,000	750,000	750,000	750,000	650,000	\$3,028,000
Local: Pay-As-You-Go	95,000	0	0	0	100,000	\$272,000
TOTAL	\$300,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,300,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %):

LOCAL = 100%

STATE = %

FEDERAL = %

OTHER = %

DEPARTMENT PRIORITY

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN

☒ Project supports essential services



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Various

PROJECT TITLE

PROJECT # (If existing)

WATER FACILITIES IMPROVEMENTS

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
New



PROJECT DESCRIPTION

General repairs, replacement or renovation to major plant process equipment or structures located on thirteen separate sites. This funding is set aside for unanticipated expenditures for major capital equipment replacement as failures occur to maintain compliance with regulatory requirements. Also included are security improvements including replacement and installation of improved camera surveillance; access controls; controlled access gates; security fencing and area lighting.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Greg Poff, Asst. Director of
Utilities

PROJECT START DATE Q1 FY 2008
PROJECT COMPLETION DATE Q4 FY 2010

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
				25	25	25	25	25	25	25	25	25	25	25	25				

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

Slight increase in operating budget for long term maintenance.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 -2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
N/A	\$750,000	N/A	\$750,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering						
Contract Administration (Contractual)						
Inspections (Contractual)						
Construction		250,000	250,000	250,000		750,000
Contingency						
TOTAL	\$0	\$250,000	\$250,000	\$250,000	\$0	\$750,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund		250,000	250,000	250,000		750,000
TOTAL	\$0	\$250,000	\$250,000	\$250,000	\$0	\$750,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: Pay -As- You -Go		100,000	100,000	100,000		\$300,000
Local: G.O. Bond		150,000	150,000	150,000		\$450,000
TOTAL	\$ 0	\$250,000	\$250,000	\$250,000	\$0	\$750,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100% STATE = % FEDERAL = % OTHER = %

DEPARTMENT PRIORITY

Project has legal or regulatory mandate

☒ Project supports essential services



FY 2007 – 2011 CAPITAL IMPROVEMENT PROGRAM WATER FUND

SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Various

PROJECT TITLE

PROJECT # (If existing)
N/A

WATER MAIN REPLACEMENT- COMBINED SEWER OVERFLOW (CSO)

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
Continuation N/A



PROJECT DESCRIPTION

Replacement of existing small water lines (1", 1-1/2", 2" and 4") located throughout the combined sewer area of the City with 8-inch diameter water main lines. Replacement is in conjunction with construction of CSO projects.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1. Objective 1.A.2): Continue the replacement of small diameter residential mains coordinated with CSO projects, while addressing new development needs and customer complaints.

PROJECT MANAGER(S)
CSO Program Manager

PROJECT START DATE Recurring
PROJECT COMPLETION DATE Recurring

FIXED ASSET DESIGNATION
New Construction/Expansion

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):

Lessens the impact on overall water operating budget for repairs and line breakages.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007 -2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
Recurring	\$2,000,000	Recurring	Recurring

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
City Engineering Service Charges	30,000	30,000	30,000	30,000	30,000	\$150,000
Consultant Engineering	30,000	30,000	30,000	30,000	30,000	\$150,000
Construction	280,000	280,000	280,000	280,000	280,000	\$1,400,000
Contingency	60,000	60,000	60,000	60,000	60,000	\$300,000
TOTAL	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund	400,000	400,000	400,000	400,000	400,000	\$2,000,000
TOTAL	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: G.O. Bond						
Local: Pay-As-You-Go	400,000	400,000	400,000	400,000	400,000	\$2,000,000
TOTAL	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100 STATE = 0 FEDERAL = 0 OTHER = %

DEPARTMENT PRIORITY

☒ Project supports essential services

THIS PROJECT ALSO HAS (A) COMPONENT (S) IN

☒ Sewer Capital Projects Fund



SERVICE AREA
Water Fund

DEPARTMENT
Public Works

LOCATION
Various

PROJECT TITLE

PROJECT # (If existing)

WATER TANK REHABILITATION

REQUEST TYPE *If request is a revision from previous year's submission, please describe changes and explain reason for change*
Continuation The current schedule is based on inspection reports completed in 2005.



PROJECT DESCRIPTION

Rehabilitation of water tanks. Exterior painting of Fort Hill 1 and 2 FY 2008; College Hill 1.4 MG and Leesville Road FY 2009; College Hill 1.4 MG and Huntingwood FY 2010; and Candler's Mountain 1 and 2 FY 2011. Engineering services began for this project began in 2004 with the award of the tank engineering services contract. Inspections and internal cleaning of all 13 of the City's tanks have been completed. This project is necessary to maintain compliance with Water Quality Standards.

RELATIONSHIP TO COMPREHENSIVE PLAN

Chapter 15, Page 15.7, Goal 1, Objective 1.A.1: Focus on the maintenance of the existing water system and replacement of old mains.

PROJECT MANAGER(S)
Steve Shenk, Utilities Engineer

PROJECT START DATE
PROJECT COMPLETION DATE

Recurring
Recurring

FIXED ASSET DESIGNATION
Maintenance/Capital Outlay

TIMETABLE

% Appropriation Needed
Engineering & Architectural
Construction

FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
				20	20	30	30	20	20	30	30	20	20	30	30	20	20	30	30
50	50			10	10	40	40	10	10	40	40	10	10	40	40	10	10	40	40

OPERATING BUDGET IMPACT (OVERALL OPERATING EXPENSES AND PROJECTED STAFFING REQUIREMENTS):
None.

TOTAL PROJECT ESTIMATE (FOR THE COMPLETE LIFESPAN OF PROJECT)

TOTAL PRIOR APPROPRIATION THROUGH 7/01/05	FY 2007-2011 ESTIMATE	BEYOND FY 2011 ESTIMATE	TOTAL PROJECT ESTIMATE
Recurring	\$2,123,000	Recurring	Recurring

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY SUB-PROJECT

Sub-Projects	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
Consultant Engineering	5,000	28,000	61,000	14,000	18,000	\$126,000
Contract Administration (Contractual)	0	8,000	12,000	2,000	2,000	\$24,000
Inspections (Contractual)	0	51,000	82,000	12,000	11,000	\$156,000
Construction	0	526,000	842,000	130,000	126,000	\$1,624,000
Contingency	0	61,000	100,000	16,000	16,000	\$193,000
TOTAL	\$5,000	\$674,000	\$1,097,000	\$174,000	\$173,000	\$2,123,000

FIVE YEAR PROPOSED PROJECT APPROPRIATION BY FUND

Fund	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Program Period Estimate
4017 Water Capital Project Fund	5,000	674,000	1,097,000	174,000	173,000	\$2,123,000
TOTAL	\$5,000	\$674,000	\$1,097,000	\$174,000	\$173,000	\$2,123,000

FIVE YEAR PROPOSED PROJECT EXPENDITURE CASH FLOW PROJECTIONS BY SOURCE OF FUNDING

Funding Source	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total Funding
Local: Pay-As-You-Go	5,000	0	0	0	0	\$178,000
Local: G.O. Bond	0	674,000	1,097,000	174,000	173,000	\$1,945,000
TOTAL	\$5,000	\$674,000	\$1,097,000	\$174,000	\$173,000	\$2,123,000

SOURCES OF PROJECT FUNDING FY 2007 – 2011 (IN %): LOCAL = 100% STATE = % FEDERAL = % OTHER = %

DEPARTMENT PRIORITY

☐ Project has legal or regulatory mandate

☒ Project supports essential services